

readable recording medium may be particularly designed or configured for one or more exemplary embodiments or may be well known to one of ordinary skill in the art. Examples of the computer-readable recording medium include magnetic media including hard disks, magnetic tapes, and floppy disks, optical media including CD-ROMs and DVDs, magneto-optical media including floppy disks, and a hardware apparatus designed to store and execute the programmed commands in ROM, RAM, a flash memory, and the like. Examples of the programmed commands include not only machine codes generated by a compiler but also include great codes to be executed in a computer by using an interpreter. The hardware apparatus may be configured to function as one or more software modules so as to perform operations of one or more exemplary embodiments, or vice versa.

**[0389]** It should be understood that the exemplary embodiments described therein should be considered in a descriptive sense only and not for purposes of limitation. Descriptions of features or aspects within each exemplary embodiment should typically be considered as available for other similar features or aspects in other exemplary embodiments.

**[0390]** While one or more exemplary embodiments have been described with reference to the figures, it will be understood by those of ordinary skill in the art that various changes in form and details may be made therein without departing from the spirit and scope of the inventive concept as defined by the following claims.

What is claimed is:

1. A first device configured to display information related to content reproduced by a second device, the first device comprising:

- a sensor configured to detect an exit of the first device from a service zone of the second device;
- a communicator configured to communicate with a server; and
- a controller configured to control the communicator to request the server for the information related to the content reproduced by the second device based on detecting the exit of the first device from the service zone of the second device and to receive the requested information related to the content from the server, and control a display of the first device to display the information related to the content received from the server.

2. The first device of claim 1, wherein the sensor is configured to detect a disconnection of communication between the first device and the second device.

3. The first device of claim 1, wherein the sensor is configured to detect the exit of the first device from the service zone of the second device based on a recognition by an external device located outside of the service zone of the second device, or located at a boundary of the service zone of the second device.

4. The first device of claim 1, wherein the controller is configured to obtain an interest level of a user of the first device in the content reproduced by the second device, based on event information collected by the first device, and control the communicator to request the server for the information related to the content via the communication device if the obtained interest level is equal to or greater than a predetermined value.

5. The first device of claim 4, wherein the controller is configured to calculate a probability that the user of the first device will view the content reproduced by the second device, based on the event information collected by the first device.

6. The first device of claim 1, wherein the controller is configured to control the communicator to request the server for the information related to the content by transmitting at least one of information about the second device and information about the service zone of the second device to the management server.

7. The first device of claim 1, wherein the information related to the content comprises an image of the content connected to at least one of link information and index information.

8. The first device of claim 1, wherein the information related to the content comprises at least one of an application item corresponding to the content, a resume item corresponding to the content, an additional information item corresponding to the content, and an advertisement item corresponding to the content.

9. The first device of claim 1, wherein the controller is configured to control the display to display the information related to the content on a first screen which is displayed when an operation mode of the first device is switched from a standby mode to an active mode.

10. The first device of claim 1, wherein the service zone of the second device comprises at least one of a communication area where the first device communicates with the second device, and a viewing area where a user of the first device views the content reproduced by the second device.

11. A method of displaying information related to content reproduced by a second device, the method performed by a first device and comprising:

- detecting an exit of the first device from a service zone of the second device;
- requesting a server for the information related to the content reproduced by the second device based on detecting the exit of the first device from the service zone of the second device and to receive the requested information related to the content from the server;
- receiving the information related to the content from the server; and
- displaying the information related to the content received from the server.

12. The method of claim 11, wherein the first device comprises a personal mobile device, and wherein the second device comprises a public device.

13. The method of claim 11, wherein the detecting of the exit of the first device comprises detecting a disconnection of communication between the first device and the second device.

14. The method of claim 11, wherein the detecting of the exit of the first device comprises recognizing the exit of the first device by an external device located outside of the service zone of the second device or located at a boundary of the service zone of the second device.

15. The method of claim 11, wherein the requesting of the information related to the content comprises transmitting at least one of information about the second device and information about the service zone of the second device.

16. The method of claim 11, wherein the displaying of the information related to the content comprises displaying the